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*Admitted only in states indicated

PLEASE DIRECT CORRESPONDENCE TO OUR WARRENTON OFFICE

FACSIMILE TRANSMISSION COVER SHEET

DATE: December 30, 2004

TO: Examiner Ngoclan Thi Mai
 Group Art Unit: 1742
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

RE: U.S. Patent Application No. 10/653,520
 For: MODIFIED OXYGEN REDUCED VALVE METAL OXIDES
Our Ref: 00138CIPCON (3600-360-01)

FROM: Luke A. Kilyk, Esq. *bk*

FAC. TEL. NO.: 1-703-872-9306

NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 25

Items Attached: Amendment -- 17 pages
 Copy of PTO Recorded Assignment -- 5 pages
 Petition for a 1-Month Extension of Time -- 1 page
 Fee Transmittal -- 1 page

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. 1-703-872-9306 on December 30, 2004.

Donald S. Prater / Kim Blum *Kim Blum*
 Name (Print) Signature

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PTO/SB/17 (10-03)

Approved for use through 07/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$1,270.00)

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None Deposit Account

| | |
|------------------------|-------------------|
| Deposit Account Number | 03-0060 |
| Deposit Account Name | Cabot Corporation |

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity | Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 1001 | 790 | 2001 | 395 | Utility filing fee | |
| 1002 | 350 | 2002 | 175 | Design filing fee | |
| 1003 | 550 | 2003 | 275 | Plant filing fee | |
| 1004 | 790 | 2004 | 395 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Extra Claims | | | Fee from below | Fee Paid |
|--------------|--------------------|--------------|----|---|----------------|----------|
| | | -85**= | 23 | x | | |
| 108 | 5 | | | | 50.00 | 1,150.00 |
| | | -5**= | 0 | x | 200.00 | 0.00 |

Multiple Dependent

| Large Entity | Small Entity | Fee Description |
|--------------|--------------|--|
| 1202 | 50 | 2202 9 Claims in excess of 20 |
| 1201 | 200 | 2201 43 Independent claims in excess of 3 |
| 1203 | 300 | 2203 145 Multiple dependent claim, if not paid |
| 1204 | 88 | 2204 43 **Reissue independent claims over original patent |
| 1205 | 18 | 2205 9 **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$1,150.00)

** or number previously paid, if greater; For Reissues, see above

| Complete if Known | |
|----------------------|---------------------------|
| Application Number | 10/653,520 |
| Filing Date | September 2, 2003 |
| First Named Inventor | Kimmel et al. |
| Examiner Name | Ngoclan Thi Mai |
| Art Unit | 1742 |
| Attorney Docket No. | 00138CIPCON (3600-360-01) |

FEE CALCULATION (continued)

| 3. ADDITIONAL FEES | Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------------|--------------|--------------|-----------------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1051 | 130 | 2051 | 65 | Surcharge – late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge – late provisional filing fee or cover sheet |
| 1053 | 130 | 1053 | 130 | Non-English specification |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |
| 1251 | 120 | 2251 | 55 | Extension for reply within first month |
| 1252 | 430 | 2252 | 215 | Extension for reply within second month |
| 1253 | 980 | 2253 | 490 | Extension for reply within third month |
| 1254 | 1,530 | 2254 | 785 | Extension for reply within fourth month |
| 1255 | 2,080 | 2255 | 1,040 | Extension for reply within fifth month |
| 1401 | 340 | 2401 | 170 | Notice of Appeal |
| 1402 | 340 | 2402 | 170 | Filing a brief in support of an appeal |
| 1403 | 300 | 2403 | 150 | Request for oral hearing |
| 1451 | 1,510 | 1451 | 1,510 | Petition to Institute a public use proceeding |
| 1452 | 110 | 2452 | 55 | Petition to revive – unavoidable |
| 1453 | 1,370 | 2453 | 685 | Petition to revive – unintentional |
| 1501 | 1,370 | 2501 | 685 | Utility issue fee (or reissue) |
| 1502 | 490 | 2502 | 245 | Design issue fee |
| 1503 | 660 | 2503 | 330 | Plant issue fee |
| 1480 | 130 | 1480 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |
| 1809 | 790 | 2809 | 395 | Filing a submission after final rejection (37 CFR 1.129(e)) |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) |
| 1801 | 790 | 2801 | 385 | Request for Continued Examination (RCE) |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$120.00)

| SUBMITTED BY | | Complete (if applicable) | |
|-------------------|---------------|--------------------------------------|----------------|
| Name (Print/Type) | Luke A. Kilyk | Registration No. (Attorney/Agent) | 33,251 |
| Signature | | Telephone | 1-540-428-1701 |

Date December 30, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. 1-703-872-9306 on December 30, 2004.

Donald S. Prater | Kim Blum | Kim Blum
Name (Print) Signature

DEC 30 2004

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Donald S. Prater / Kim Blum
Name (Print)

Kim Blum
Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---------------------------------------|---|---------------------------|
| In re Application of: Kimmel et al. |) | Examiner: Ngoclan Thi Mai |
| |) | |
| Application Number: 10/653,520 |) | Group Art Unit: 1742 |
| |) | |
| Filed: September 2, 2003 |) | Confirmation No.: 3339 |
| |) | |
| Docket No.: 00138CIPCON (3600-360-01) |) | |

For: MODIFIED OXYGEN REDUCED VALVE METAL OXIDES

PETITION FOR EXTENSION OF TIME

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 30, 2004

Sir:

Applicants petition the Commissioner of Patents and Trademarks to extend the time for response to the Office Action dated August 30, 2004, for one (1) month from November 30, 2004 to December 30, 2004.

Please charge the extension fee of \$120.00 to Deposit Account No. 03-0060. In the event that any additional fees are due in connection with this paper, please charge such fees to Deposit Account No. 03-0060.

Respectfully submitted,


Luke A. Kilyk
Reg. No. 33,251

Atty. Docket No. 00138CIPCON (3600-360-01)
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